IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Riou et al.

Title:

PRINTING SYSTEM

Appl. No.:

Unknown

Filing Date:

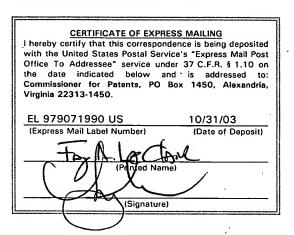
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Examiner:

Unknown

Art Unit:

Unknown



INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

Pursuant to 37 C.F.R. § 1.98(a)(3), the following is a concise explanation of relevance of the following reference(s).

JP 6226991 16/8/1996 Japanese

PURPOSE:To provide an ink vessel capable of miniaturizing an ink jet recorder, not polluting the air and the human body and improving print quality.

CONSTITUTION:An ink vessel 1 is so constituted that multiple of flexible films 1a, 1b are laminated so that it is not necessary to provide an additional waste ire vessel and in the case of using a plurality of color inks, it is not necessary to provide each ink vessel corresponding to the respective color inks. The ink vessel is vertically disposed and ink outlet sections 7 are vertically aligned.

JP 08216428 27-08-1996 Japanese

PURPOSE: To simplify the structure of an ink cartridge and facilitate its production and consequently improve ink feeding performance.

CONSTITUTION: An ink bag 3 is provided in a container 2 and, at the same time, a waste ink bag 4 provided with a partition part 4C with at least two compartments 4a and 4b, in one of both of which an absorber 5 expanding its volume through the absorption of waste ink is reserved.

JP 11014258 22-01-1999 Japanese

PROBLEM TO BE SOLVED: To provide a drying device for a recording medium and an ink jet recording device in which the recording medium having an image formed by ink can be dried efficiently while preventing occurrence of dew formation and an image recording speed can be improved.

SOLUTION: A recording medium having an image formed with ink is loaded into a drying chamber within a drying device D from the direction of an arrow A. The recording medium is heated by a heating plate 15 surface contacting the recording medium, water vapour generated by heating action is changed into water droplets, the water droplets are received in a pan 23, thereafter the water is recovered into a waste liquid tank 25 through a waste liquid pipe 24.

FR 2709092 24-02-1995 French

The printed matter to be processed in the apparatus according to the invention firstly enters a printer (2) of the non-impact type, where an inking substance known as toner is deposited on the printed matter under the control of a computer, at the same time as a silicone-based substance intended to facilitate the fixing of the inking substance. The silicone-based substance is then cleaned off the printed matter for example using a solvent contained in a bath (23). The printed matter then advantageously passes under a hood (10) where it is dried and substantially recovers its initial mechanical properties, so that it can then be folded up and sealed in a conventional folding and sealing station (14).

FR 2618727 03-02-1989 French

The subject of the invention is an improved ink jet printer. The printer according to the invention includes a printing head 1 equipped with an ink ejection nozzle 2, 4 and with a device 13 for receiving the unused ink. It includes an ink reservoir 7, a solvent reservoir 18, a buffer reservoir 15, a transfer reservoir 17, a compressed air reservoir 24. It includes a pump 22 which sucks from a suction manifold 41 and which

delivers into a reservoir 8 for storing compressed vapours and gases, which is connected to a second manifold 40. The reservoirs 17, 7, 18 are connected to the two manifolds 40, 41 through motorised valves 40a, 40b, 40c, 41b, 41c, 41d. A microprocessor 6 commands the motorised valves. One application is the printing of media which file past the printing head at a speed of several metres/second.

JP 02026751 29-01-1990 Japanese

PURPOSE:To promote the absorption and drying of ink during recording, and to prevent paper rubbing, creases and bleeding due to paper floating by incorporating a recording drum, a recording receiver, etc., and air-conditioning the inside of a box body capable of interrupting the outside air by an air conditioner.

CONSTITUTION:An ink-jet unit 4 conducts drawing by movement from end to end of a recording drum 1. The whole of the ink-jet unit 4 is interrupted from the outside air by a box body 11 and a cover 12. One part of mist ink rebounding from the surface of recording paper 2 during drawing adheres on the opposed surface of the recording paper 2 of the ink-jet unit 4, and the other is sucked by a mist suction unit 5 mounted onto the ink-jet unit 4. Air containing moisture is cooled and dehumidified by an air conditioner 7 with a refrigerator and a heater through a mist suction hose 6, and dehumidified air heated up to a proper temperature through the heater is sprayed against the surface of the recording paper 2 from a dehumidified-air blowoff port 9 formed onto the mist suction unit 5 through a dehumidified-air supply hose 8, thus promoting the drying of the recording paper 2.

An English translation of the foreign-language documents is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1447.

Respectfully submitted,

Date 1 ctober 3/12003

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					APPLICANT		·-		
INFORMATION DISCLOSURE CITATION					Riou et al.				
					FILING DATE	GROUP ART UNIT			
(Use several sheets if necessary)									
			U.S. PAT	EN	T DOCUMENTS				
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME CLASS CLASS		IF	FILING DATE IF APPROPRIATE		
	1A	5,532,720	7/2/1996 I	Krueger et al.					
	1B	5,335,000	8/2/1994	Stevens					
	1C	2003/0179260	9/25/2003	Anderson et al.					
	1D	2001/0002952	7/6/2001	Sakai				,	
	1E	2001/0017997	6/30/2001	Saitoh		-			
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FOREIGN PATENT DOCUMENTS									
		DOCUMENT	DATE		COUNTRY	. 0. 400	SUB-	TRANSLATION	
	REF	NUMBER	DATE		COUNTRY	CLASS	CLASS	YES	NO
	1F	WO 93/17869	16-09-1993 F	PCT	•				
	1G	EP 1 308 300	07-05-2003 E	Euro	ppean				
	1H	JP 06226991	16-08-1996	Japa	anese				
	11	JP 08216428	27-08-1996	Japa	anese				
	1J	JP 11014258	22-01-1999	Japa	anese				
	1K	FR 2709092	24-02-1995 F	Fren	ich				
	1L	EP 0816097	07-01-1998 E	Euro	ppean				
	1M	FR 2618727	03-02-1989 F	Fran	ice				
	1N	JP 02026751	29-01-1990	Japa	anese				
	10	GB 2010104	27-06-1979	Grea	at Britian				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
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